Docket No. 291461US0PCT

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE TO 22 JUN 2006

IN RE APPLICATION OF:	Takuji OKAMOTO, et al.
IN KE ALLECATION OF	randji Otti ililo 10, et ali

New U.S PCT Application Based on PCT/JP05/00858

FILED: Herewith

FOR: TRANSITION METAL COMPOUND AND C

GAU: EXAMINER:

SERIAL NO: FILED:

TRANSITION METAL COMPOUND AND CATALYST FOR OLEFIN POLYMERIZATION

#### INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS

ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent protions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication
  from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of
  this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

#### DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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				APPLICANT							
LIST OF REFERENCES CITED BY APPLICANT				Takuji OKAMOTO, et al.							
	\			FILING DATE	GROUP						
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				U.S. PATENT DOCUMENTS		SUB	_				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS IF APPROPRIATE					
	AA										
AB											
FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION YES NO					
7CL/	AC	0 661 300	7/5/1995	EP				NO			
	AD	58-19309	2/4/1983	JP				NO			
	AE	60-217209	10/30/1985	JP(with English abstract)				NO			
	AF	1-502636	9/14/1989	JP(with equivalent of WO 88/04526)				NO			
	AG	03-139504	6/13/1991	JP(with English abstract)				NO			
	AH	0 468 651	1/29/1992	EP				NO			
	AI	03-207704	9/11/1991	JP(with English abstract)				NO			
	AJ	92/01723	2/6/1992	WO(with English abstract)				NO			
	AK	93/20113	10/14/1993	WO(with English abstract)				NO			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)											
/CL/	AL	BRANDOW, Christopher G. et al., "Ancillary Ligand and Olefin Substituent Effects on Olefin Dissociation for Cationic Zirconocene Complexes Bearing a Coordinated Pendant Olefin", Organometallics, Vol. 20, No.20, Pages 4253-4261, 2001.									
	АМ	BRESLOW, David S. et al., "Bis-(cyclopentadienyl)-litanium Dichloride-Alkylaluminum Complexes as Soluble Catalysts for the Polymerization of Ethylene*, *", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, Vol. 81, Pages 81-87, January 5, 1959.									
	AN	v, 1930v. ROBERTS, Royston M. et al., "MALONONITRILE", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, Vol. 82, Pages 1952-1957, April 20,1960.									
	AO	EISCH, John J. et al., "Direct Observation of the Initial Insertion of an Unsaturated Hydrocarbon into the Titanium-Carbon Bond of the Soluble Ziegler Polymerization ctalayst, Cp2TiCl2-MeAld2" ", Journal of American Chemical Society, Vol. 107, No. 24, Pages 2791–7221, November 27,1985.									
	AP	JORDAN, Richard F. et al., "Ethylene Polymerization by a Cationic Dicyclopentadienylzirconium (IV) Alkyl Complex", Journal of American chemical Society, Vol. 108, No. 23, Pages 7410-7411, November 12, 1986.									
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	AR	DORER, Birgit et al., "Syntheses and Structures of Tilanocene, Zirconocene, and Vanadocene Dichloride Complexes with Two Ethanedlyl Bridges'", Organometallics, Vol.13, No.10, Pages 3868-3872, October 1994.									
	AS	HAYS, Melanie L. et al., "Steric Influence on the Structure, Magnetic Properties, and Reactivity of Hexa-and Octalsopropylmanganocene", Organometallics, Vol. 17, No. 25, Pages 5521-5527, December 7, 1998.									
	AT	HERZOG, Timothy A. et al., "A New Class of Zirconocene Catalysts for the Syndiospecific Polymerzation of Propylene and Its Modification for Varying Polypropylene from Isotacitic to Syndiostacitic", Journal of American Chemical Society, Vol. 118, No. 27, Pages 11988-11998, November 27, 1996.									
Examiner /C Lu/ (02/07/2008)					Date Considered						
*Examiner: In conformance	itial if i	reference is considered, ot considered. Include co	whether or no	t citation is in conformance with MPEP 60 with next communication to applicant.	9; Draw li	ne through	citation	if not in			

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### IAP20 Rec'd PCT/PTO 22 JUN 2006

New U.S. PCT Application Based on PCT/JP05/00858 Takuji OKAMOTO, et al. Docket No. 291461 US

#### STATEMENT OF RELEVANCY

- References AC & AL have been cited in the International Search Report. A copy of these references is being submitted herewith.
- References have been cited in the corresponding copy of these references is being submitted herewith.
- References AD AK & AM AT are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.